of internal friction in rotating shafts at speeds of rotation above the critical. The author analyzes the rotation of a single-disk weightless shaft vibrating at a frequency low enough to exclude the possibility of deviation of the disk.

Gusarov, A.A. Flexural Unsteady-state Vibrations of a Flexible Rotor With Two Equal Unbalanced Masses 54

The author uses a previously obtained solution for the analysis of the transition through critical speeds of a shaft with two disks of equal weight, placed equidistant from the supports, and having differently located disbalance vectors. Two cases are discussed; 1) when the eccentricities of the disks are equal, and 2) when they are unequal. The use of the results for the dynamic balancing of flexible rotors with two equal masses is explained.

Grobov, V.A. Unsteady-state Flexural Vibrations of Elastically Supported Rotors, Taking the Gyroscopic Effect Into Account 88

This article is an investigation of the relationship between gyroscopic effect and unsteady-state transverse vibrations of rotors with flexible shafts on elastic bearings during transition through critical speeds. Two cases are treated, one in which the elastic supports have a linear characteristic with equal or different radial rigidity, and one in which one support is rigid, the other is elastic with a nonlinear characteristic, and the coefficients of radial rigidity are the same.

AVAILABLE: Library of Congress

Card 4/4 GO/mg
11-30-59

GROBOV, V.A.

Nonstationary deflection vibrations of elastically supported rotors taking into consideration the gyroscopic effect. Probl. proch. v mashinostr. no.1:88-106 '58. (MIRA 12:4)
(Rotors--Vibration)

20-119-5-4/59

AUTHOR: Grobov, V.A.

TITLE: A Method for the Averaging of Canonic Equations With a "Quasicyclic" Angular Coordinate (Metod usredneniya kanonicheskikh uravneniy, soderzhashchikh "kvazitsiklicheskuyu" uglovuyu koordinatu)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol 119, Nr 5, pp 858-860 (USSR)

ABSTRACT: Let a dynamic system depend on r coordinates $q_1, q_2, \ldots, q_r$ and the angular coordinate φ. Let the canonic motion equations be

$$(1)\quad \frac{dq_k}{dt} = \frac{\partial H}{\partial p_k}, \quad \frac{dp_k}{dt} = -\frac{\partial H}{\partial q_k}; \quad \frac{d\varphi}{dt} = \frac{\partial H}{\partial p_{r+1}}, \quad \frac{dp_{r+1}}{dt} = -\mu\frac{\partial H_1}{\partial \varphi},$$

where μ is a small parameter and

$$H = H_0(q,p) + \mu H_1(q,\varphi,p) + \mu^2 H_2(q,\varphi,p) + \ldots,$$

where H_0 denotes a certain quadratic form.

According to the asymptotic method of Krylov and Bogolyubov [Ref 2] in the first approximation the author puts

$$(2)\quad q_k^{(1)} = a_k \cos(\varphi + \psi_k),$$

where a_k and ψ_k are considered as slowly variable functions of time. After

Card 1/2

some transformations one obtains

$$\frac{da_k}{dt} = F_k(a_1, \ldots, a_r, \varphi+\psi_1, \ldots, \varphi+\psi_r)\sin(\varphi+\psi_k)$$

$$\frac{d\psi_k}{dt} = \frac{1}{a_k} F_k(a_1, \ldots, a_r, \varphi+\psi_1, \ldots, \varphi+\psi_r)\cos(\varphi+\psi_k). \quad (3)$$

In order to eliminate the so-called "quasicyclic" variable φ, the functions F_k are averaged, i.e. instead of the variable the mean value of the integral over a period is taken. All calculations are made as it is usual in the asymptotic method of Bogolyubov. Finally the author obtains a system of equations for the determination of the a_k and ψ_k. [Error estimations of this approximate solution are not given.]

There are 3 Soviet references.

PRESENTED: December 2, 1957, by N.N.Bogolyubov, Academician
SUBMITTED: November 18, 1957

PHASE I BOOK EXPLOITATION SOV/3416

Akademiya nauk SSSR. Institut mashinovedeniya

Voprosy prochnosti materialov i konstruktsiy (Problems of Strength of Materials and Structures) Moscow, 1959. 399 p. Errata slip inserted. 3,200 copies printed.

Resp. Ed.: D. N. Reshetov, Professor, Doctor of Technical Sciences; Ed. of Publishing House: G. B. Gorshkov; Tech. Ed.: S. T. Shikin.

PURPOSE: This book is intended for engineers and scientists concerned with the problems of the strength of materials and construction

COVERAGE: The book contains 28 articles on the strength of materials in general and of machine construction in particular. This collection was prepared under the direction of the Institute of Mechanical Engineering of the AS USSR in honor of Sergey Vladimirovich Serensen, one of the founders and directors of the national school of strength of materials, who recently completed 30 years of scientific activity. The preface gives a short sketch of his life and professional activities. The collection is divided into two parts. The first part contains 13 articles on general problems of strength and the strength of machine construction materials. The second part contains 15 articles on dynamics and calculation of strength and rigidity. There are references at the end of each article.

PART II. DYNAMICS AND CALCULATION OF STRENGTH AND RIGIDITY

AVAILABLE: Library of Congress

Card 6/6

AC/ec
6-27-60

16(1),16(2),24(6)
AUTHOR: Grobov,V.A.

SOV/41-11-2-13/17

TITLE: On the Construction of Asymptotic Approximations of Nonstationary Processes in Nonlinear Gyroscopic Systems With the Aid of the Averaging Principle

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, 1959, Vol 11, Nr 2, pp 213-216 (USSR)

ABSTRACT: The author shows that instationary oscillations of nonlinear gyroscopic systems can be investigated with the aid of the averaging principle of N.M.Krylov and N.N.Bogolyubov, if the motion equations are brought to a special form according to the method of B.V.Bulgakov by the introduction of the so-called "normal coordinates". The first approximations for amplitudes and phases obtained in this manner are given by the author separately for autonomous and non-autonomous systems.
The author mentions Yu.A.Mitropol'skiy.
There are 4 Soviet references.

SUBMITTED: November 20, 1958

Card 1/1

GROBOV, V.A. [Hrobov, V.O.] (Riga)

Nonstationary vibrations of a flexible shaft on elastic supports taking the gyroscopic effect into consideration. Prykl.mekh. 6 no.1:20-30 '60. (MIRA 13:6)
(Rotors--Vibration)

GROBOV, V. A.

"Nonlinear problems of turbine rotor dynamics"

Paper presented at the Intl. Symposium on Nonlinear Vibrations, Kiev, USSR, 9-19 Sep 61

Institute of Mathematics of Academy of Sciences of the Ukrainian SSR, Kiev, USSR

GROBOV, Valerian Alekseandrovich; ARTOBOLEVSKIY, I.I., akademik, otv. red.; DIKUSHIN, V.I., akademik; red.; SERENSEN, S.V., akademik, red.; PINEGIN, S.V., doktor tekhn. nauk, prof., red.; LEVITSKIY, A.I., doktor tekhn, nauk, prof., red.; DIMENTBERG, F.M., doktor tekhn. nauk, red.; KOBRINSKIY, A.Ye., doktor tekhn. nauk, red.; RAYEVSKIY, N.P., kand. tekhn. nauk, red.; BESSONOV, A.P., kand.tekhn. nauk, red.; ORPIK, S.L., red. izd-va; LAUT, V.G., tekhn. red.

[Asymtotic methods for calculating bending vibrations of turbomachine rotors] Asimptomicheskie metody rascheta izgibnykh kolebanii valov turbomashin. Moskva, Izd-vo Akad. nauk SSSR, 1961. 165 p. (MIRA 14:5)

1. Akademiya nauk USSR (for Serensen)
(Impellers--Vibration)

SERENSEN, Sergey Vladimirovich, akademik; BUGLOV, Yevgeniy Georgiyevich; GARF, Mikhail Ernestovich; KOZLOV, Leonid Aleksandrovich; KORSAKEVICH, Nikolay Ivanovich; KRAMARENKO, Oksana Yur'yevna; SLUTSKAYA, Ol'ga Borisovna; CROBOV, V.A., doktor tekhn. nauk, red.; PECHKOVSKAYA, O.K., red. izd-va; SKLYAROVA, V.Ye., tekhn. red.

[Strength under nonstationary loading conditions] Prochnost' pri nestatsionarnykh rezhimakh nagruzki. Kiev, Izd-vo Akad. nauk USSR, 1961. 294 p. (MIRA 15:2)

1. Akademiya nauk USSR (for Serensen).
(Strains and stresses) (Metals—Fatigue)

GROBOV, V.A. (Riga)

Calculating amplitudes of lateral vibrations of multidisk rotors supported by nonlinearly flexible supports. Izv.AN SSSR.Otd.tekh.nauk. Mekh.i mashinostr. no.3:113-116 My-Je '61. (MIRA 14:6)
(Rotors—Vibration)

25178 S/041/61/013/002/006/007
B112/B203

16.3400

AUTHOR: Grobov, V. A.

TITLE: Unsteady oscillations of nonlinear systems with gyroscopic terms in consideration of the connection with an energy source of low productivity

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, v. 13, no. 2, 1961, 220 - 223

TEXT: The equations of oscillation of the system considered are the differential equations:

$$\sum_{j=1}^{n} \left(a_{ij}(\tau)\ddot{q}_j + b_{ij}(\tau)\dot{q}_j + c_{ij}(\tau)q_j\right) = \varepsilon Q_i(\tau; q_1, q_2, \ldots, q_n; \dot{q}_1, \dot{q}_2, \ldots, \dot{q}_n) + \varepsilon F_i(\tau, q, \dot{q}). \quad (1)$$

whose coefficients weakly depend on time, and satisfy the conditions:

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$a_{ij}(\tau) = a_{ji}(\tau)$, $b_{ij}(\tau) = -b_{ji}(\tau)$, $c_{ij}(\tau) = c_{ji}(\tau)$. μ is a small parameter. The equation for the autorotation of the system is:

$$J_o \frac{d^2\varphi}{dt^2} = \mu\Phi(\tau; q_1, \ldots, q_n; \dot{q}_1, \ldots, \dot{q}_n; \ddot{q}_1, \ldots, \ddot{q}_n; \varphi, \dot{\varphi}, \ddot{\varphi}) + \mu\Delta M(\dot{\varphi}), \quad (2)$$

where J_o is the moment of inertia of the rotor with respect to the axis of rotation, $\Delta M(\dot{\varphi})$ is a small additional moment, and $d\varphi/dt = \omega(t)$ the angular velocity of the rotor. The nonlinear functions μQ_i in Eq. (1) express weak elastic and dissipative forces, the functions μF_i weak disturbances, the function $\mu\psi$ the interrelation between the oscillatory and the rotational motion of the system, i. e., the possibility of an energy exchange between oscillation and rotation. The author sets up the solutions of Eq. (1) in first approximation:

$$q_j^{(k)} = a_k \sigma_{jk}(\tau)\, e^{i(\varphi+\psi_k)} + a_k \sigma_{jk}^*(\tau)\, e^{-i(\varphi+\psi_k)}, \quad (3)$$

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where $\delta_{jk} = (\bar{\sigma}_{jk} + i \quad_{jk})/2$ are the fundamental solutions of the undisturbed system (1), σ'_{jk} the conjugate complex functions with respect to σ_{jk}. The amplitude a_k and the phase angle ψ_k can be determined in first approximation from the equations:

$$da_k / dt = \mu A_1^{(k)} (\tau, a_k, \psi_k, \omega),$$
$$d\psi_k / dt = \lambda_k - \omega + \mu B_1^{(k)} (\tau, a_k, \psi_k, \omega), \qquad (4)$$

the functions $A_1^{(k)}$ and $B_1^{(k)}$ appearing in them, from the system of equations

$$m_1^{(k)}(\tau)[\lambda_k(\tau) - \omega(\tau)] \frac{\partial A_1^{(k)}}{\partial \psi_k} - [2m_1^{(k)}(\tau)\lambda_k(\tau) + m_2^{(k)}(\tau)] B_1^{(k)} =$$
$$= -m_3^{(k)}(\tau) a_k + \frac{\mu}{2\pi} \int_0^{2\pi} \sum_{i=1}^{n} [Q_i + F_i][\bar{\sigma}_{ik}(\tau)\cos\theta_k - \bar{\bar{\sigma}}_{ik}(\tau)\sin\theta_k] d\theta_k,$$

Card 3/5

$$m_i^{(k)}(\tau)[\lambda_k(\tau)-\omega(\tau)]a_k\frac{\partial B_i^{(k)}}{\partial\psi_k}+[2m_1^{(k)}(\tau)\lambda_k(\tau)+m_2^{(k)}(\tau)]A_i^{(k)}=$$

$$=-\left[\frac{d}{d\tau}(m_1^{(k)}(\tau)\lambda_k(\tau))+m_3^{(k)}(\tau)\right]a_k-$$

$$-\frac{\mu}{2\pi}\int_0^{2\pi}\sum_{l=1}^{n}(Q_l+F_l)[\bar{\sigma}_{lk}(\tau)\sin\theta_k^*+\bar{\bar{\sigma}}_{lk}(\tau)\cos\theta_k]\,d\theta_k. \qquad (6)$$

where

$$m_i^{(k)}(\tau)=\sum_{l=1}^{n}\sum_{j=1}^{n}a_{ij}(\tau)\sigma_{lk}(\tau)\sigma_{jk}^{*}(\tau),$$

Card 4/5

$$im_2^{(k)}(\tau) = \sum_{i=1}^{n}\sum_{j=1}^{n} b_{ij}(\tau)\,\sigma_{ik}(\tau)\,\sigma_{jk}^{*}(\tau).$$

$$m_3^{(k)}(\tau) = \sum_{i=1}^{n}\sum_{j=1}^{n} b_{ij}(\tau)\,\frac{d\sigma_{ik}(\tau)}{d\tau}\,\sigma_{jk}^{*}(\tau) = \bar{m}_3^{(k)}(\tau) + i\bar{\bar{m}}_3^{(k)}(\tau).$$

Eq. (2) can be substituted by the equation:

$$J_0 \frac{d\omega}{dt} = \mu\tilde{\Phi}(\tau, a_k, \psi_k, \ldots) + \mu\Delta M(\Omega), \qquad (10)$$

where $\tilde{\Phi}$ is the mean value of Φ. There are 6 Soviet-bloc references.

SUBMITTED: October 25, 1960

Card 5/5

45685

S/681/62/000/008/003/004
E081/E141

26.2120

AUTHOR: Grobov, V.A.

TITLE: Joint transverse vibrations of a shaft and massive elastic supports, allowing for the gyroscopic effect of the rotor

SOURCE: Akademiya nauk latviyskoy SSR. Institut avtomatiki i mekhaniki. Voprosy dinamiki i prochnosti. no.8, 1962, 61-65

TEXT: The problem arises in connection with the determination of the frequency spectrum of vibrations in turbine equipment. For purposes of mathematical analysis, the actual system is replaced by a simplified system consisting of a flexible weightless shaft carrying an unbalanced disc unsymmetrically situated with respect to the supports, which are simulated by concentrated masses situated at the end of the shaft, and connected to an immovable foundation by two springs. Expressions are derived for the kinetic and potential energies and, assuming that the static and dynamic unbalance of the disc are small, the characteristic

Card 1/2

vibration equation is obtained as an 8 X 8 determinant. The particular case corresponding to identical rigidities of the supports in the radial direction is considered in detail, the modes of vibration are established and described, and resonance curves are calculated. Formulae for the amplitude of vibration are given, derived by the asymptotic method of N.N. Bogolyubov and Yu.A. Mitropol'skiy (Asimptoticheskiye metody v teorii nelineynykh kolebaniya (Asymptotic methods in the theory of nonlinear vibrations), Fizmatgiz, 1958). The effect of nonlinear characteristics in the supports is also analysed.
There are 5 figures.

Card 2/2

BURGVITS, A.G.; ZAV'YALOV, G.A.; GROBOV,V.A.,doktor tekhn.nauk,retsenzent
GORBOV,P.S.,kand.tekhn.nauk,red.
[Stability of shaft motion in fluid friction bearings]
Ustoichivost' dvizheniia valov v podshipnikakh zhidkostnogo treniia. Moskva, Izd-vo "Mashinostroenie" 1964. 146 p.
(MIRA 17:7)

[redacted]

GROPOV, V. I. , comp.

Manual for the car inspector 5. izd., ispr. i d p. Moskva, Gos. transp. ahel-dor. izd-vo, 1952. 207 p. (5h-19699)

TF600.R9 19 2

LAPSHIN, F.A., GROBOV, V.I.

[Construction, inspection and repair of railroad cars] Ustroistvo, osmotr i remont vagonov. Moskva, Gos. transp. zhel-dor. izd-vo, 1953. 413 p. (MLRA 6:9)
(Railroads--Cars)

GROBOV, V.I.

LAPSHIN, Fedor Alekseyevich; GROBOV, Vladimir Ivanovich; BOCHARNIKOVA, K.N., redaktor; VERINA, G.P., tekhnicheskiy redaktor

[Construction, inspection, and repair of railroad cars] Ustroistvo, osmotr i remont vagonov. Izd. 2-e, ispr. i dop. Moskva, Gos. transp. zhel-dor. izd-vo 1954. 429 p. (MLRA 8:4)
(Railroads—Cars)

LAPSHIN, Fedor Alekseyevich; OROBOV, Vladimir Ivanovich; BRAYLOVSKIY, N.G., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Construction and maintenance of cars] Ustroistvo i remont vagonov. Izd. 3-e, ispr. i dop. Moskva, Gos.transp.zhel-dor. izd-vo, 1958. 447 p. (MIRA 12:2)
(Railroads--Cars)

Gorbov No 6

25(1) PHASE I BOOK EXPLOITATION SOV/1370

Ural'skiy zavod tyazhelogo mashinostroyeniya, Sverdlovsk

Proizvodstvo krupnykh otlivok (Making of Large Castings) Moscow, Mashgiz, 1958. 108 p. (Series: Its: Sbornik statey, vyp. 4) 5,500 copies printed.

Ed.: Fetisov, I.M., Engineer. Exec. Ed. (Siberian Division, Mashgiz): Kaletina, A.V., Engineer; Tech. Ed.: Dugina, N.A.

PURPOSE: The book is prepared by the Plant organization of NTOmashprom (Scientific and Technical Society of Machine Building Industry) and is intended for engineering and scientific workers.

COVERAGE: The book was prepared for the 25th Anniversary of the Uralmashzavod (Ural Heavy Heavy Machinery Building plant imeni S. Ordzhonikidze). The stages of founding development in the plant and the plant's progress and achievements in this field are described.

Card 1/3

Making of Large Castings SOV/1370

The book includes articles on the most interesting research work concerning improvement of the quality of castings and economy of labor. The results of an investigation of the causes of cracks in castings weighing up to 80 tons are presented; the nature of stone-like fractures and methods for combating them are described; experience in hardening molds and cores is analyzed. Also described is oxygen heating-up of cast iron in the spout of a cupola furnace. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

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AVAILABLE: Library of Congress

Card 3/3

GO/ksv
4-21-59

SOV/81-59-16-57869

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 310 (USSR)

AUTHOR: Grobov, Ye.B.

TITLE: The Chemical Hardening of Molds and Cores

PERIODICAL: Sb. statey. Ural'skiy z-d tyazh. mashinostr. im. S. Ordzhonikidze, 1958, Nr 4, pp 28-47

ABSTRACT: The properties of a molding mixture which is based on liquid glass are investigated. They are studied after chemical hardening as a function of the duration of blowing (1 sec - 5 min) and the CO_2 pressure (from 1 to 4 atm), the duration of keeping in the air before and after chemical hardening at various temperatures, modules of the liquid glass, etc.

G. Maslennikova.

Card 1/1

GROBOVA, K.I.; SLEPTSOVA, O.M.

Synthesis of β-monomethacrylic ester of glycerol. Trudy po khim.i khim.tekh. no.1:172-173 '63. (MIRA 17:12)

SLEPTSOVA, O.M.; GROBOVA, K.I.; KOTON, M.M.

Synthesis of unsaturated esters of hydroxamic acids. Zhur. ob. khim. 33 no.8:2568-2570 Ag '63. (MIRA 16:11)

KALIMULLIN, B.G., otv. red.; DOKHTUROV, P.P., red.; YEFIMOV, V.N., red.; GROBOVA, Yu.P., red.; SHAFIN, I.G., tekhn. red.

[Problems of designing and building in Ufa] Voprosy planirovki i zastroiki Ufy. Ufa, 1961. 78 p.
(MIRA 17:3)

1. Geograficheskoye obshchestvo SSSR. Bashkirskiy filial.
2. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Kalimullin).

BAG[illegible]ANOV, K.Sh.; ARDAKOVA, G.I.; [illegible], V.S.; [illegible], G.[illegible], doktor sel'khoz. nauk, otv. red.; GROBOVA, Yu.F., red.

[Distribution and economic effectiveness of the production of industrial crops in Bashkiria] Razmeshchenie i ekonomicheskaia effektivnost' proizvodstva tekhnicheskikh kul'tur v Bashkirii. Ufa, Bashkirskii filial AN SSSR, 1963. [illegible] p. (MIRA 17:6)

GROBOVIKOV, Yu.A.

Deep-water echo-sounder "Polius." Probl.Arkt.i Antarkt. no.10: 90-91 '62. (MIRA 16:2)

(Deep-sea sounding)

YAGOLA, G.K.; ZINGERMAN, V.I.; GROBOVITSKIY, M.I.; SEPETYY, V.N.

Testing samples of hard-magnetic materials subjected to pulsed magnetization. Izm. tekh. no.1:40-43 Ja '65. (MIRA 18:4)

GROBOVITSKIY, Ye. B., KLIMAN, I. Ya. and PERTSOV, I. L.

"Apparatus for the Graphic Recording of Changes in the Lumen of Blood Vessels During Physiological Experiment." Farmakol i Toksikol, No. 2, p 57, 1951.

[illegible], D.

[illegible] of [illegible] iron [illegible] wire in the course of [illegible] ... 1954. ([illegible] [illegible], Vol. [illegible], no. 3/4, Sept. 1954. [illegible], [illegible])

SO: Monthly List of East European Accessions, ([illegible]), LC, Vol. 4, No. [illegible], [illegible] 1955, Uncl.

GROBOWSKA, Helena; GROMSKA, Jadwiga

Convulsions in children according to the material of the Mental Disease Clinic in Gdansk. Neurol. neurochir. psychiat. pol. 13 no.6:867-871 N-D'63

1. Z Oddzialu Dzieciecego Kliniki Chorob Psychicznych AM w Gdansku; kierownik: prof.dr. T.Bilikiewicz.

GROBSHTEYN, A.S.

Using magnetoelastic pickups to measure the weight of a drilling tool. Izv. vys. ucheb. zav.; neft' i gaz 8 no.6:105-109 '65. (MIRA 18:7)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.

GRODSHTEYN, A.Ye.; ZHOLOBOV, S.P.; IPATOVA, M.D.

Sorption of carbon dioxide from porous active metals by absorbents. Zhur. prikl. khim. 38 no.4:900-905 Ap '65. (MIRA 18:6)

GRODSHTEYN, A [illegible]; [illegible]; [illegible] SYN, [illegible]

[illegible] 5 [illegible] My '68. [illegible]

1. [illegible]

GROBSHTEYN, F. I.

USSR/ Chemistry - Physical chemistry

Card : 1/1 Pub. 116 - 6/20

Authors : Yurzhenko, A. I. and Grobshteyn, F. I.

Title : Rate of decomposition of tertiary butyl peroxides in an aqueous medium

Periodical : Ukr. khim. zhur. 20, Ed. 4, 373 - 380, 1954

Abstract : The rate of decomposition of tertiary butyl peroxides (peroxide widely used as initiator of emulsion polymerization) in an aqueous medium, was investigated in the presence of various electrolytes and emulsified hydrocarbons. The effect of H- and OH-ions on the rate of decomposition of the investigated peroxide and the effect of salts on the catalytic characteristics of these ions, are explained. The specific effect of emulsifiers and their dependence upon the chemical nature of their molecules, were established. Six references: 5-USSR; 1-Ukrainian, which includes 1-English; 1-USA; 1-German; and 1-Italian, (1931-1952). Tables: graphs.

Institution : Institute of Medicine, Faculty of Gen. Chemistry, Lvov

Submitted : April 3, 1953

GROBSHTEYN, M.Kh.

Concerning so-called "trifles." Geog. v shkole 19 no.2:65 Mr-Ap '56. (MLRA 9:7)
(Geography--Study and teaching)

GROBSHTEYN, N.Kh., zaveduyushchiy kabinetom geografii; GOLDIN, A.S., nauchnyy sotrudnik

Brief news. Geog. v shkole 22 no.2:87 Mr-Ap '59.
(MIRA 12:6)

1. Smolenskiy oblastnoy institut usovershenstvovaniya uchiteley (for Grobshteyn). 2. Muzey zemlevedeniya Moskovskogo gosudarstvennogo universiteta (for Goldin).
(Smolensk Province--Geography--Study and teaching)
(Globes)

GROBSHTEYN, Naum Khatskelevich; VASIL'YEVA, O.V., red.; TSVETKOVA, S.V., tekhn. red.

[Interesting questions in geography] Zanimatel'nye voprosy po geografii. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1957. 59 p. (MIRA 11:5)
(Geography--Examinations, questions, etc.)

GROBSHTEYN, N.Kh.

"Amusing problems in geography" by B.A.Nagornyi. Reviewed by N.Kh.Grobshtein. Geog.v shkole 22 no.3:88-89 My-Je '59. (MIRA 12:11)

(Geography--Study and teaching)
(Nagornyi, B.A.)

OKHAPKIN, F.P. (g.Kirov); YAKOVLEV, N.M. (g. Ul'yanovsk); GROBSHTEYN, N.Kh. (Smolensk) RUTKOVSKIY, O.O.

Discussion of new geography programs. Geog.v shkole 22 no.6: 61-71 N-D '59. (MIRA 13:4)

1. 4-y shkola Alma-Aty. (for Rutkovskiy)
(Geography—Study and teaching)

GROBSHTEYN, N.

Seminar of superintendents of geography study rooms in the institutes of post graduate training for teachers. Geog. v shkole 23 no.5:85 S - O '60. (MIRA 13:9)
(Geography--Study and teaching)

15-57-5-6700

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5, p 145 (USSR)

AUTHOR: Grobshteyn, S. R.

TITLE: Perspectives for Off-Shore Petroleum Extraction (Perspektiva razvitiya dobychi nefti na morskikh mestorozhdeniyakh)

PERIODICAL: V sb: Puti izucheniya gidrometeorol. rezhima i osvoyeniya akvatoriy neft. promyslov Kaspiysk. morya. Baku, Azerb. in-t, 1956, pp 7-11

ABSTRACT: The number of off-shore wells in 1954 was 2.4 times that of 1949; petroleum extraction increased by 3 times and now comprises 24 percent of all petroleum extracted in Azerbaidzhan. Deep exploratory marine wells are being drilled in ten areas; structural exploration is being conducted in four areas. New petroleum deposits have been revealed; the outlines

Card 1/2

Perspectives for Off-Shore Petroleum Extraction (Cont.)

of old petroleum deposits have been made more precise. The basic petroleum deposits are being developed with the use of water injection. The net cost of extraction of off-shore petroleum is now no more than 60 percent of the average net cost of extraction of petroleum on land.

Card 2/2

N. A. Ye.

ALIKHANOV, E.N.; GROBSHTEYN, S.R.

Effectiveness of using appropriate drive methods in the Neftyanye Kamni oil fields. Azerb.neft.khoz. 35 no.4:5-9 Ap '56. (MLRA 9:10)

(Neftyannyye Kamni--Petroleum engineering)

GROBSHTEYN, S.R.; ZAMANOV, B.A.; KULIYEV, I.P.; NEGREYEV, V.F.; FARKHADOV, A.A.

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(Oil well drilling, Submarine)

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(Sand)

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76T59

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(HEMOSTASIS,
*in otorhinolaryngol.)
(OTORHINOLARYNGOLOGY,
*hemostatic substances in)

GROBSHTEYN, S.S., doktor meditsinskikh nauk

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GROBSHTEYN, S.S., doktor meditsinskikh nauk

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(OTORHINOLARYNGOLOGICAL DISEASES, surg.
use of hemostatic sponges and tampons with antibiotics)
(TAMPONS
hemostatic tampons & sponges, use in otorhinolaryngol. surg.)

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(TYMPANIC MEMBRANE, pathol.
lipid deposits in fibroelastic tissue of membrane in atherosclerosis) (Rus)
(ARTERIOSCLEROSIS, pathol.
lipid deposits in fibroelastic tissue of tympanic membrane) (Rus)
(LIPIDS, metab. same)

GROBSHTEYN, S.S., doktor med.nauk

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(BRONCHI, for. bodies
rubber tube aspirated during anesth. (Rus))

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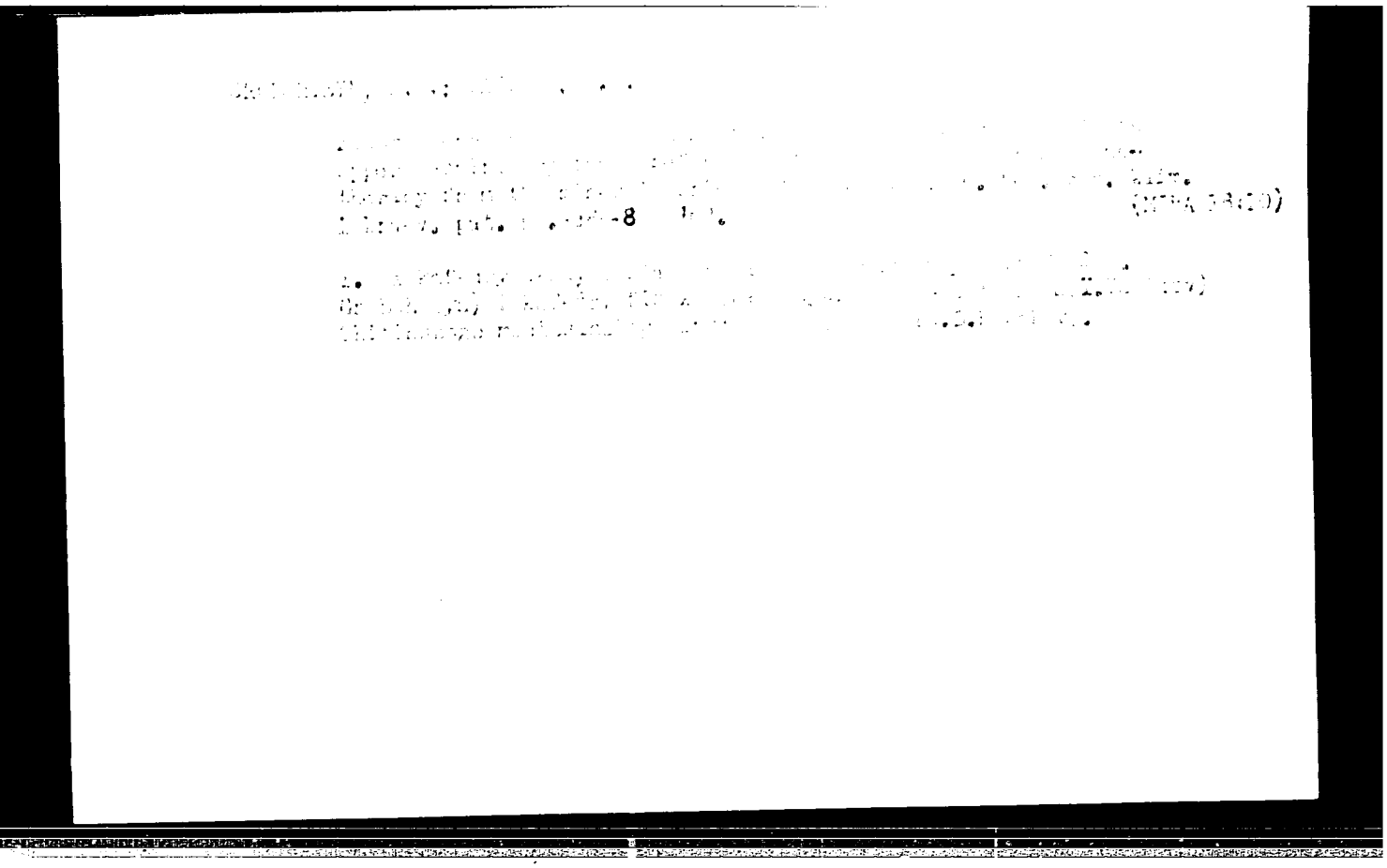

B-5

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Abs Jour: Ref. Zh.-Biol., No 9, 1957, 35226

Author : Groch, J.; Hurny S.
Inst :
Title : The Influence of Vegetation on Some Elements of a Microclimate and on an Organism

Orig Pub: Ceskosl. hyg., epidemiol., mikrobiol., imunol., 1955, 4, No 9, 462-465

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(CENTRAL NERVOUS SYSTEM physiol)
(SCHOOL HEALTH)

GROCH, J. CZECHOSLOVAKIA

no academic degree indicated

Institute for Hygiene and Epidemiology, Medical Faculty, P.J. Safarik University (Ustav hygieny a epidemiologie Lekarskej fakulty UPJS), Kosice

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GROCH, J.

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Uncl.

EXCERPTA MEDICA Sec 17 Vol 5/12 Public Health Dec 59

3829. THE ORGANIZATION OF THE DAILY CURRICULUM AT SCHOOL AS A HYGIENIC PROBLEM - Organizácia režimu dňa v škole ako hygienický problém - Groch J. Kat. Hyg. LF UK. Košice - LEK.OBZ. 1959, 8/2 (87-97)

The success of work at school depends largely on the degree to which the daily school curriculum corresponds to the physiological needs of the pupils of the different age groups. At school age, the decisive factor in the daily programme is the learning at school and at home. If the stress of learning is too great, the normal functional condition of the cells of the CNS is disturbed. A disequilibrium between the stimulatory and inhibitory processes develops, giving rise to a condition of reduced working capacity and fatigue. The fundamental requirement for good working capacity of the pupil is regular alternation of work and recreation. It is, therefore, necessary to keep strictly to the intervals between lesson hours, and between work at school and at home. These intervals should be rationally utilized. An excessive amount of homework leads, apart from unfavourable changes in the organism, to a reduction of the pupils' time of recreation in the open air and their sleep, which causes impairment of their development and general health. To avoid these undesirable changes, it is necessary to ensure a regular and adapted amount of homework. The daily programme at home should be in accordance with that at school. This is achieved by close co-operation with the school. The teachers and parents should realize the hygienic significance of the daily curriculum and should both be concerned with its maintenance. Only if the pupil's daily programme at home is organically associated with that at school can results be expected in the form of a general reduction of fatigue, improvement of progress, and normal development.

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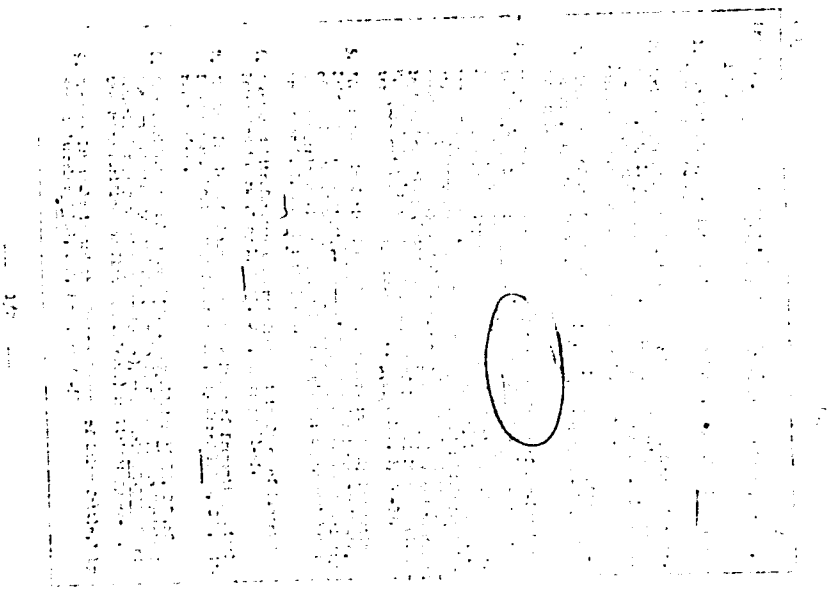

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GROCHOCKA, Krystyna

POLAND

BAC, Maria; GROCHOCKA, Krystyna

1. Dept. of Geological Cartography, Univ. of Warsaw (Zakład Kartowania Geologicznego Uniwersytetu Warszawskiego) (for Bac?);
2. Laboratory of Geological Cartography, Dept. of Geological Sciences, Polish Academy of Sciences (Pracownia Kartografii Geologicznej Zakładu Nauk Geologicznych PAN), Warsaw (for Grochocka?)

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